

# OPTIC SWITCH

## ABSTRACT OF THE DISCLOSURE

An optic switch includes a casing to which first and second input devices and first and second output devices are attached. The first input and output devices are aligned with each other and the second input and output devices are aligned with each other. A movable reflection device is movable between a non-engaged position and an engaged position between the input and output devices by a driving device. The movable reflection device has first and second reflective surfaces. A fixed reflection device is fixed inside the casing and has a third reflective surface which is parallel to and opposes the first reflective surface when the movable reflection device is at the engaged position. When the movable reflection device is at the non-engaged position, optic signals from the first and second input devices are allowed to directly pass to the first and second output devices respectively. When the movable reflection device is at the engaged position, the optic signal from the second input device is reflected and redirected by the second reflective surface to the first output device and the optic signal from the first input device is reflected at least three times by the first and third reflective surfaces and redirected to the second output device. Thus a switching operation is realized.